

Bulletin

University of Toronto

Friday, January 28, 1977

No. 21 30th Year

Contributions solicited for faculty members at Université Laval

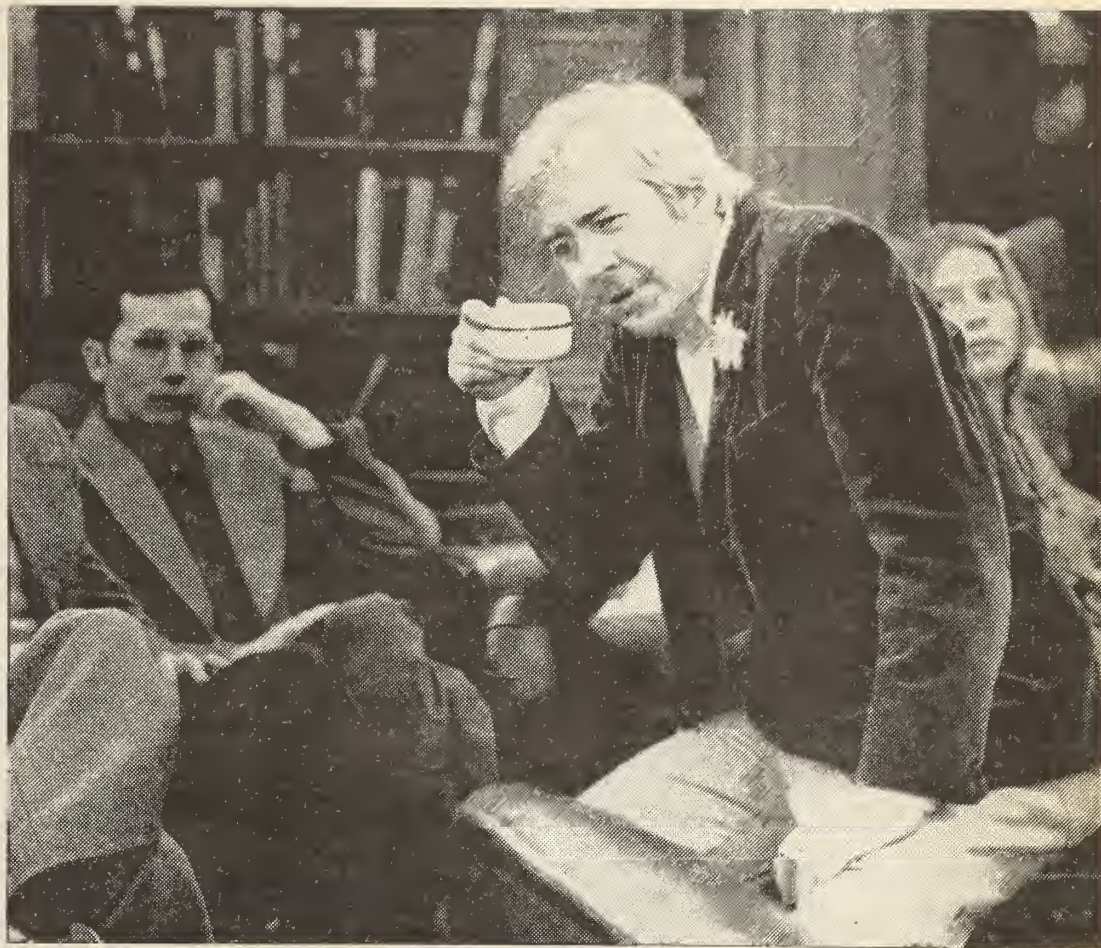
During the strike which closed Université Laval for 107 days, faculty members were forced to forego their regular salaries and collected instead \$75 per week. Now, sympathetic individuals and groups — including U of T's newly formed Ad Hoc Committee on Academic Freedom — are attempting to help the Laval faculty association repay the \$800,000 it borrowed for that purpose.

Membership in the Ad Hoc Committee includes G.P. Clivio, Italian and Hispanic Studies; J.B. Conacher, History; J.M. Daniels, Physics; Chandler Davis, Mathematics; Harvey Dyck, History; W.J. Eccles, History; Peter Fitting, French, St. Michael's; J.A. Fleming, French, University College; Northrop Frye, English, Victoria College; C.B. Macpherson, Political Economy; Eric Mendelsohn, Mathematics; and J.C. Polanyi, Chemistry.

The Committee suggests that contributions in the form of cheques, which can be sent to either of Professors Conacher or

Macpherson, would be not only a "concrete and timely support to individuals for whom we have sympathy, but also a forceful expression of our support for the principle of academic freedom." Cheques should be made payable to: Syndicat des Professeurs de l'Université Laval (SPUL).

Says Professor Macpherson: "The Laval professors have undergone considerable hardship to get some of the academic rights that we have long enjoyed. That should be reason enough for us to do the little we can to relieve the financial burden they have incurred. Some of us have hesitated to make a contribution to the Laval professors because we do not want to endorse faculty unionization and strike action. I do not regard a contribution to the Laval professors as such an endorsement. That the academically conservative Laval faculty resorted to strike action is a reflection on the political control of Quebec universities, not on the faculty's belief in a collegial university."



"Don't read everything you believe," Writer-in-residence John Newlove cautioned his audience at a recent Hart House literary evening.

Who thinks what about high schools and universities

by Sheila Robinson Fallis

What do university educators think about the secondary school system in Ontario?

It is hardly surprising to learn that many of them are disenchanted, or that the majority believes basic language skills have deteriorated. What is surprising is that taxpayers and teachers, and even students, agree.

It is also worth noting that, in the recently published *Secondary/Post-Secondary Interface Study*, commissioned by the Ministries of Education and Colleges and Universities in reaction to mounting public concern over education, the universities come in for their fair share of criticism, too.

The four-part study examines the progress of students from secondary school through colleges and universities in Ontario, and reports on both public opinion and actual levels of achievement.

University assessment

Nearly half the university educators questioned for the study feel that academic achievement in their institutions has deteriorated, and 45% of their high school counterparts agree. Students

and taxpayers are less critical: less than 20% feel achievement has declined, while nearly half feel it has improved. Those who feel it has improved are most likely to point to "the teaching faculty and the facilities" as the reasons for improvement.

Despite their belief that academic achievement has improved, most students feel it is easier to get into university than it used to be, and that they are less well prepared by the secondary school system for university.

For their part, university educators feel declining standards in the high schools are the reason for the deterioration in achievement at the university level. Sixty-eight percent feel that the universities have reacted to the situation by lowering institutional expectations.

However, both students and faculty agree that the universities have been relatively successful in achieving their stated academic goals: developing an understanding of the theoretical principles of a discipline, developing problem-solving skills, and encouraging a positive attitude towards learning.

Interestingly, though the public feels that another aim of the university should be to provide students with professional

skills, only 49% of university educators think their institutions should be more responsive to the needs of the marketplace. In that context, both students and taxpayers indicate a concern with the value of an arts degree today: over half the students questioned feel it has "very little" value.

Most university educators believe Grade 13 marks are still the best sieve for university admission. But they would prefer provincially set exams to those now in place, which are administered in the schools. However, the study also reveals that Grade 13 marks are as accurate an indicator of success in university today as they were 10 years ago when "Departmentals" were still being given.

University financing

A sizeable proportion of the general public, when questioned, was hesitant to take a stand on university financing, although firmly of the opinion that no more money should be spent on secondary schools. (Only 25% thought more should be spent.) Those who did express an opinion on university financing believe that the money spent is well spent. But they do not favour larger expenditures, nor do they favour hikes in tuition fees. Among those in the university, however, there is a belief that not enough money is being spent.

Over 40% of the general public and students feel the universities are not successful in communicating their goals and objectives to the public.

High School assessment

The opinions expressed by taxpayers, university educators, teachers and students indicate a serious loss of faith in the quality of the secondary schools in the province. All agree the primary objectives of the system — namely, developing primary language and problem-solving skills, and fostering a positive attitude towards learning — are not being adequately met.

While the report suggests that academic proficiency at all levels has not declined as much as people think, one thing is certain: the public is disenchanted.

People want a return to basics; they want grade inflation controlled; they want higher academic standards; they even want more respect for authority taught in the schools. For their part, university educators want the credit system abolished, standardized course content and testing reintroduced, and abolition of unnecessary duplication between university and high school courses.

Language skills are perceived to have declined most seriously: 69% of the university educators, 54% of the general public, and 59% of the students themselves feel students are not as proficient as they used to be. However, the study showed that most university students eventually reach a "survival level" in their writing, where essays, though free from major grammatical errors, are festooned with minor mistakes. The quality of student language is pedestrian.

Students and the public feel that mathematics skills have deteriorated as well, but the study found that, in fact, such skills have remained constant, although physics skills have seriously declined.

The credit system, introduced at least partly to enhance personal growth and development, was roundly criticized by both educators and laymen. Over half those questioned disagree that selecting their own courses helps students develop. And three-quarters of the teachers and professors polled feel the system places too much responsibility on the student.

Educators are almost unanimous in favouring the return to a core curriculum with standardized course content and, not surprisingly, high school teachers are strongly in favour of retaining Grade 13. About half the university educators and about three-quarters of the students and taxpayers also believe Grade 13 should remain. The research suggests that Grade 13 substantially improves language achievement.

New Varsity Fund chairman

Robert F. Armstrong, who has been appointed chairman of the Varsity Fund Board for a two-year period effective Jan. 1, 1977, has been associated with the fund raising wing of the University's Alumni Association since 1958.

A graduate of St. Michael's College, Bob Armstrong attended Osgoode Hall for his law degree and is now a partner in the firm of Blackwell, Law, Treadgold, and Armstrong.

The Varsity Fund is now located within the Department of Private Funding, where Nelson Earl, Assistant Director, will provide staff support.



FORUM

Planning must include input from all "groups"**To the Editor:**

A long term plan for the University's future is being drawn up without the participation of major parts of the University. This will result in future decisions based on an unnecessarily restricted point of view.

Last year the Governing Council decided to set aside this year to draw up its long term plan. The budget was set to be roughly the same as last year's and divisions were informed that the time normally spent on drafting the budget was now available for consideration of the University's future.

A committee called "Planning and Priorities" was established to determine a plan on the basis of which resource allocation decisions could be made in the future.

It is important that Planning and Priorities be seen for what it is: an attempt by Governing Council to ensure that priorities are established rationally. Without such a plan the quality of all University programs will suffer.

Planning and Priorities, when it met for the first time this fall, was presented with a timetable, prepared by the administration, for how it should proceed. According to this plan the committee would receive papers from, and hold discussions with, only the operating divisions of the University (i.e. Arts and Science, ApSCE, etc). In particular there was to be no explicit input from any college (except Scarborough) or service centre (Media, Library, or Computer Centre). Furthermore an entire campus (Erindale) was ignored.

The committee spent nearly ten hours discussing whether or not this was an appropriate manner of proceeding. At the end of the discussion the chairman ruled that the issue was not sufficiently contentious to be voted on and the administration's plan was to be followed.

The committee will have to define and deal with several major issues. If any are ignored, the priorities will not have been established fairly.

Collegiality is one major issue. In recent years the role of the colleges has declined as that of the faculties has increased in importance. If allowed to continue the current trend may eventually lead to the disappearance of the colleges. Some colleges are trying to play an increased role in terms of academic responsibilities, which often puts them in direct conflict with the faculties and divisions. This is an instance where Planning and Priorities could decide on the relative priorities of collegiate and divisional plans as regards academic program resources. I fail to

see how the role of the colleges can be examined fairly when the only collegiate input to the committee is through the divisions.

The case of the service centres is even more complex. A first class library is essential to a university, and the Computer and Instructional Media Centres play a similar role even if they are not as firmly entrenched. Yet budgetary restrictions threaten their effective operation. Still these centres will not be asked to discuss their plans with the committee.

Many other issues must be dealt with this year as well, each

requiring input from a major group which is not being asked to discuss its point of view with the committee.

If Planning and Priorities is successful it will demonstrate the ability of the University to make difficult decisions rationally. If not then we will have no plan to guide us through the difficult years ahead. In such circumstances it is important that all the major parts of the University be asked to participate in the planning process.

**David Vaskevitch,
Graduate Student Representative
on the Governing Council**

An occult force pounces

In a letter to the editor in last week's *Bulletin*, David C. Nimmo, who teaches pre-University English at Woodsworth College, noted that, likely prompted by some "occult force", the headline accompanying his review of *Yeats and the Occult* in the issue of Jan. 14 gave the word "aficionado" a double "f".

Sad to say, the occult force was still at work when the letter was typeset, with the result that the word "pounced" appeared in the *Bulletin* as "pounded".

Our apologies to Mr. Nimmo and a plea, to the occult force, for respite.

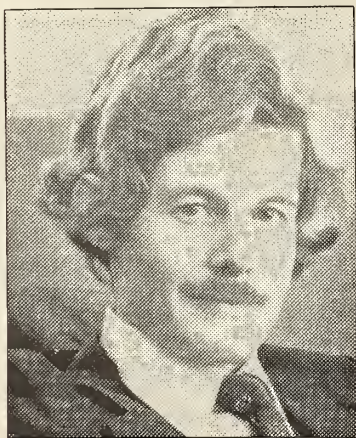
Steacie award to S. A. Cook

Professor Stephen A. Cook, Department of Computer Science, has been awarded an E.W.R. Steacie Memorial Fellowship for 1977-78. The Steacie fellowships are awarded annually by the National Research Council of Canada to outstanding young scientists whose career development could be vitally enhanced by

developed over the last two decades since computers have come into widespread use. The field is concerned both with developing and analyzing algorithms for solving problems faster, and proving lower bounds for the time required to solve certain problems no matter what algorithm is used.

Cook has shown that a large number of combinatorial problems can be classified into a group now called NP complete; for these problems no good algorithm now exists. He has shown that if a good algorithm exists for any one of the group, it does for them all. His papers have already inspired over 100 papers by other workers. His current work is centred around proving that no good algorithm exists for one (and thus all) of these problems. This question is now regarded as the most important question in the theory of computation, and a very important open question in mathematics generally.

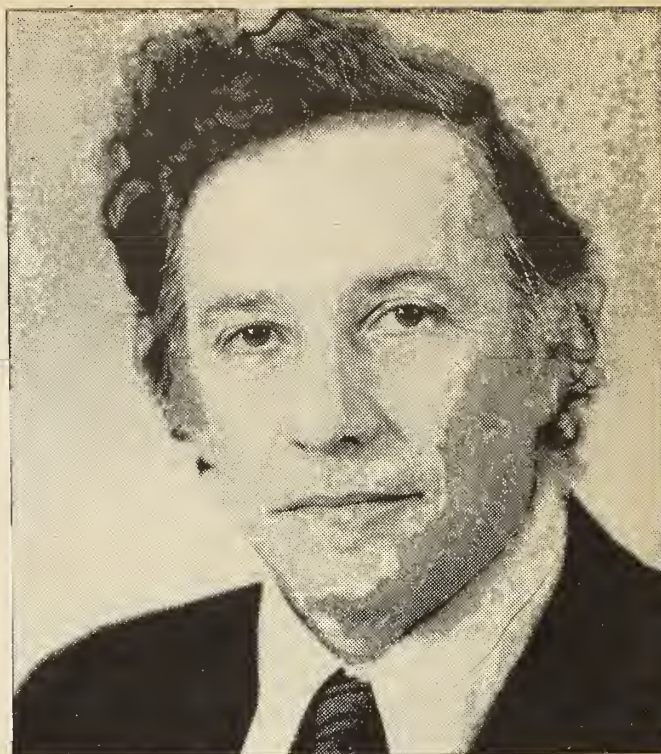
Professor Cook graduated from the University of Michigan where he obtained the B.S. degree in mathematics in 1961. From Harvard University he obtained the S.M. in 1962 and the Ph.D. in 1966. He then spent four years at the University of California at Berkeley as an assistant professor, before joining the U of T in 1970 as an associate professor. He was promoted to the rank of professor two years ago.



Professor Stephen A. Cook

permitting them to devote, for a one-year period, all their time and energies to research. During the period of the award, he will be eligible to apply for and hold an NRC grant-in-aid of research.

Professor Cook is recognized as one of the world's foremost contributors to the theory of computational complexity, a mathematical discipline which has

**New Dean of Social Work**

Ralph Garber, Dean of Rutgers' Graduate School of Social Work, has been appointed Dean of U of T's School of Social Work effective July 1, 1977.

Dean-elect Garber received his B.A. at Queen's University in 1934, his M.S.W. at McGill University's School of Social Work in 1952 and his D.S.W. at the University of Pennsylvania in 1963. He has been Dean of the George Warren Brown School of Social Work at Washington University, and professor, Assistant Dean and most recently Dean of Social Work at Rutgers University.

One of his primary professional interests has been the development of joint degrees between social work and other disciplines, specifically law and architecture.

Acting Dean Ray Godfrey, who has been with U of T's School of Social Work since 1949, is assuming administrative responsibilities until Dean-elect Garber takes office in July.

St. Mike's salutes Etienne Gilson

Etienne Gilson

St. Michael's College Library will open a display on Jan. 31 to commemorate the lecture given in Toronto by Etienne Gilson on that date in 1927. On display will be books, manuscripts, letters, hon-

orary degrees and other memorabilia from the archives of the Pontifical Institute of Mediaeval Studies.

In 1929 Gilson founded the Institute of Mediaeval Studies and during the following years actively directed the formation of its library.

With the exception of the second world war years, Gilson came to St. Michael's each year until 1972 when his last lectures were honored by the presence of then Governor General Roland Michener and his wife.

Now 92, professor emeritus at St. Michael's College, the Collège de France, and a member of the French Academy, Gilson lives in retirement at Cravant, southeast of Paris.

Governing Council nominations

Prospective candidates for election to the Governing Council are reminded that nomination papers must be filed by noon today, Friday, Jan. 28 at the Governing Council Secretariat, Room 106, Simcoe Hall.

Enquiries for further information should be directed to the Governing Council Secretariat at 978-6576.



AS WE WERE: Senior Women's Basketball Team, Intercollegiate Champs 1925



UNIVERSITY
of TORONTO

Bulletin

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BRIEFLY

The November issue of the Department of Geology Newsletter informs us that "...one of the current excitements in the oil exploration business is the recent discovery that at least two large oil fields may lie in buried meteorite craters. . . The possibility of a pot of black gold at the end of the pock-marked rainbow is likely to provide considerable new impetus to the study of astroblemes on earth."

An interdisciplinary team at U of T has recently received a major research grant from the Canada Council's Humanities and Social Sciences division. The eighteen month grant was awarded to Professor Leslie Mezei (Computer Science), the principal investigator, and Professors R. M. Baecker (Computer Science and Electrical Engineering), Gustav Ciamaga (Music), and K.C. Smith (Electrical Engineering).

The project, called the "Structured Sound Synthesis Project," is aimed at conducting research into problems arising from the use of computers in musical composition. The study involves two main problem areas: an investigation of new representations of musical data and processes, and a study of man-machine communication as it relates to music.

The research team is developing a special interactive system which could be called a "composer's assistant," consisting of a mini-computer that controls a specially designed digital sound synthesizer. The results of this work, the researchers feel, will not only augment both our scientific and musical knowledge, but also provide a useful tool to the artistic community.



Dr. Harry Parrott, Ontario Minister of Colleges and Universities, who has stated that grade 13 marks are an inadequate reflection of the qualities of students applying to universities, has suggested that university entrance exams be introduced. He has discussed the matter with the Council of Ontario Universities, but the provincial government would need the support of the province's universities before such examinations could be instituted. (Reported in Notes from AUCC, Dec. 15, 1976.)

Regis College, after 15 years at Bayview and Steeles, has moved to 15 St. Mary Street. The new building houses the library, classrooms and administrative offices.

Volume IX of one of the most ambitious works of scholarly publishing undertaken in Canada, the *Dictionary of Canadian Biography*, is now available. The French version, *Dictionnaire biographique du Canada*, is scheduled for publication in February. Volume IX contains biographies of those who died between 1861 and 1870, including Laura Secord, Simon Fraser and Thomas Molson. The Dictionary is published with the aid of Canada Council major editorial project grants through U of T Press and the Presses de l'Université Laval.

Volume IX is the fifth to appear since the project began in 1959. The editors hope to complete the 12 volumes making up the first stage of the project by 1983. The second stage will deal with the twentieth century.

A four-day workshop in hearing measurement and conservation is being held for nurses, safety supervisors and audiometric technicians by the School of Continuing Studies, in order to "train participants to perform pure tone air conduction audiograms, implement an adequate hearing protection program and assist management in planning and conducting a

Canada. The prize, established in 1969, will be awarded to a clinical or basic scientist who has published a report or dissertation on outstanding research conducted in Canada on mental health during the preceding year. All applications or nominations (6 copies) should be forwarded on or before May 1, 1977 to Mr. J.E. Stewardson, Secretary, "Clarke Institute of

A bouquet to the U of T Library from a visiting professor:

"Your microfilmed catalogue must surely be second to none in the world! Today I carried out a literature search in *under an hour* — which would (I am certain) have taken several weeks of eyestrain, frustration and sore feet at the Bodleian. Do come and show us how to organize a library!!!"

the Canadian Scientific Pollution and Environmental Control Society (SPEC) of Vancouver.

The program has been in existence for nine years and the awards are given annually in recognition of outstanding contributions to the quality of Canada's natural environment.

When something goes wrong, so the story goes, the president kicks the manager, who kicks the secretary, who kicks the office boy, who goes out and kicks the office cat.

In this age of equal employment opportunity we await the day that the office cat turns out to be a tiger in disguise and puts the bite where it belongs.

MAM



A memorial service will be held for Professor Milica Kirkoff, late of the Department of Slavic Languages and Literatures, on Tuesday, Feb. 1 at 1.15 p.m. in the Trinity College Chapel.

It has come to our attention that the Arrabal film, *J'irai comme un cheval fou*, has been banned and cannot, therefore, be shown during French week at the University.

What is all this talk about the permissive society?

The crafts minded will be glad to hear that the Hart House Crafts Club is having its annual exhibition and sale on Monday, Feb. 21 and Tuesday, Feb. 22 in the Hart House Art Gallery.

Craft work of every variety is being solicited from all students, faculty and staff. Honourable mentions will be awarded in both beginner and advance classifications. Entry forms are available from the hall porter's desk and the program office at Hart House, telephone 978-5361.

"Train tracks" and "silver streak" may sound like a wonderful adventure on a railway, but listen again. They are nominal cousins of "head gear", "tin mouth" and "tinsel teeth": nicknames given by the wearers to the results of orthodontic research.

Which brings us to the annual open house at the Faculty of Dentistry — this year being held on Sunday, Feb. 6 from 1 to 6 p.m., where we may even find someone to supply the proper names to match the nicknames bestowed by the cheeky young.

On this day, Jan. 28, in 1916, Manitoba women became the first in Canada to win provincial voting rights.

Lest it be imagined that women had been casting votes in federal elections before that, the same source informs us that this right was conferred on May 24, 1918.

On view at the Hart House Art Gallery until Feb. 11 are paintings by Vaclav Vaca.

What you won't see in the gallery are the 59 paintings from the permanent collection that have been deemed "national treasures" and are moving to the Art Gallery of Ontario for 10 years because of unsuitable hanging conditions at Hart House.



BISHOP STRACHAN, on the secularization of King's College in 1850, wrote: "This measure is so wicked and inconsistent, that sooner or later a serious reaction will take place." His reaction was Trinity College, now celebrating its 125th Anniversary. William Kilbourn impersonated the irate Bishop in a performance of the *Mock Trial of John Strachan*, at Trinity on Jan. 16.

hearing conservation program under adequate supervision."

The workshop will be given in 1977, on Feb. 14-17; May 16-19 and Sept. 19-22.

Pitfalls for the unwary often lurk in the plural versions of words and phrases used in English but derived from other languages.

Do not be lured into the Latin second declension neuter on "gymnasium". This word is from the Greek and its plural in English is properly "gymnasiums".

On the other hand, *curriculum vitae* is Latin. And the plural, hewing to that language, is *curricula vitae*.

A press release from Health and Welfare Canada informs us that a new program, the Lifestyle Award, has been created "to acknowledge the contribution made by Canadians in the promotion of positive health lifestyle in their communities."

"The Lifestyle Award program is an element of Operation Lifestyle, a public education campaign developed by the department to encourage Canadians to assume greater responsibility for their own health."

In light of the recent cut-backs in federal support of scientific research, does this mark the beginning of do-it-yourself medicine?

The Clarke Institute of Psychiatry Research Fund will receive applications or nominations for the annual \$1,000 prize given to stimulate psychiatric research in

Psychiatry Research Fund," Clarke Institute of Psychiatry, 250 College Street, Toronto, Ontario, M5T 1R8.



SAC is sponsoring a winter carnival from Jan. 29 to Feb. 4 on the St. George campus.

Promised as part of the festivities are films, football and snow sculptures. If the temperatures stay sub-zero there may be a few more statues around the campus than originally planned by carnival organizers.

Scarborough College's English Group has managed to devise an occasion to celebrate both gunpowder and elegant prose. At the faculty's Guy Fawkes Day party, on Nov. 5, a book prize was presented to Judith Minor, a graduating student, who was winner of the English Group's newly instituted English Essay Contest. Ms. Minor's paper had nothing to do with plots and was entitled "The Dark World of Comedy in the *Merchant of Venice*." However, it is reported that spirits were enlivened by rum swizzles, which doubtless did much to logically tie together tributes to treason and talent.

Professor W.L. Morton will become chancellor of Trent University for a three-year term beginning July 1. The distinguished historian succeeds Senator Eugene Forsey who has been the Trent chancellor for four years.

Professor Guido Calabresi, Yale University Law School, will deliver the ninth annual Cecil A. Wright Memorial Lecture at the Faculty of Law on Wednesday, Feb. 9. Prof. Calabresi will speak on "The Problem of Medical Malpractice: Trying to Round the Circle" at 4 p.m. in the Moot Court.

This year of 1977 marks several anniversaries in the world of academic institutions. It is Sesquicentennial at the U of T, both St. Michael's and Trinity celebrate 125 years, and at the University of Manitoba it is Centennial time.

Hans Jewinski is a Toronto policeman and poet. He has contributed to various periodicals and has published one book of verse, *On the Beat*. You can hear him reading his poetry at Scarborough College on Friday, Feb. 4.

Awards for 1976 from the Imperial Tobacco Environment Program have been announced.

Energy Probe has won the group award. Professor Douglas Pimlott shares the individual award with Gary Gallon, executive director of



Virginia Woolf

Virginia, Leonard, Vanessa, Molly, Lytton, Desmond and all the other berries . . .

"Bloomsbury," says Prof. S.P. Rosenbaum, Department of English, in his foreword to *The Bloomsbury Group*, "has been described not merely as a group, set or circle, but as a clique, coterie, gang, clan, commune and mafia — and its members have been called everything from Bloomsberries to Bloomsbuggers."

However, to most of us Bloomsbury was simply a cultural phenomenon — a "school" of writers, artists and philosophers that flourished in the early twentieth century, and included literary luminary Virginia Woolf, art critic Clive Bell and economist John Maynard Keynes.

Scarborough College will give us a look at the era and some of the individuals in a special Sesquicentennial salute, "Focus on Bloomsbury," a series which begins Friday, Jan. 28 at 7.30 p.m. when Professor Robert Welsh of the Department of Fine Art will give an illustrated introduction to the exhibition of paintings by Roger Fry that will be on view in the Meeting Place until Feb. 16. Further illuminations of the group will continue Feb. 2 with a lecture by Prof. Rosenbaum on "Some Victorian Visions"; a film by Quentin Bell entitled "Duncan Grant at Charleston" on Feb. 7 and a lecture by Prof. D.E. Moggridge of the College's economics faculty

on "The Arts and Bloomsbury" on Feb. 8.

Evidently not all the Bloomsberries could be dealt with in such a program, and indeed, literary opinion is divided over who the "essential" Bloomsberries were. Scarborough's salutation does, however, focus upon several members of what majority opinion holds were the essential thirteen friends who met periodically to have dinner and read each other their memoirs. In 1920 they founded the Memoir Club for this purpose, and the membership included Virginia and Leonard Woolf, Vanessa and Clive Bell, Molly and Desmond MacCarthy, Adrian Stephen, Lytton Strachey, J.M. Keynes, Duncan Grant, E.M. Forster, Saxon Sydney-Turner, and Roger Fry — the original Bloomsberries.

We can disagree with the Bloomsbury roll-call; however, it is unlikely that we would disagree that the group exerted considerable influence during the thirty or forty years that it flourished. E.M. Forster called Bloomsbury "the only genuine movement in English civilization" — a partisan statement, but one worth consideration nonetheless. Scarborough's "Focus on Bloomsbury" will give us the opportunity to re-examine this group of talented and controversial individuals.

Dr. P. Mazumdar is named Hannah Professor

On January 18, the Great Hall fires burned warmly as Dr. Pauline Mazumdar, U of T's first Jason A. Hannah Professor, was welcomed at the inaugural of the Hannah Chair for the History of Medical and Related Sciences. It is one of five Hannah Chairs being established in Ontario's medical schools through grants derived from Associated Medical Services Incorporated. For 35 years, AMS, founded and led by Dr. J.A. Hannah, provided the first prepaid medical aid in Ontario.

Dr. G.R. Paterson, Executive Director of the Hannah Institute, presided over the evening's program. Dr. Paterson, on indefinite leave from U of T as Professor of Pharmaceutical Chemistry, Faculty of Pharmacy, welcomed the guests, who represented the academic community, the Medical Historical Club, friends, and members of societies related to history and medicine.

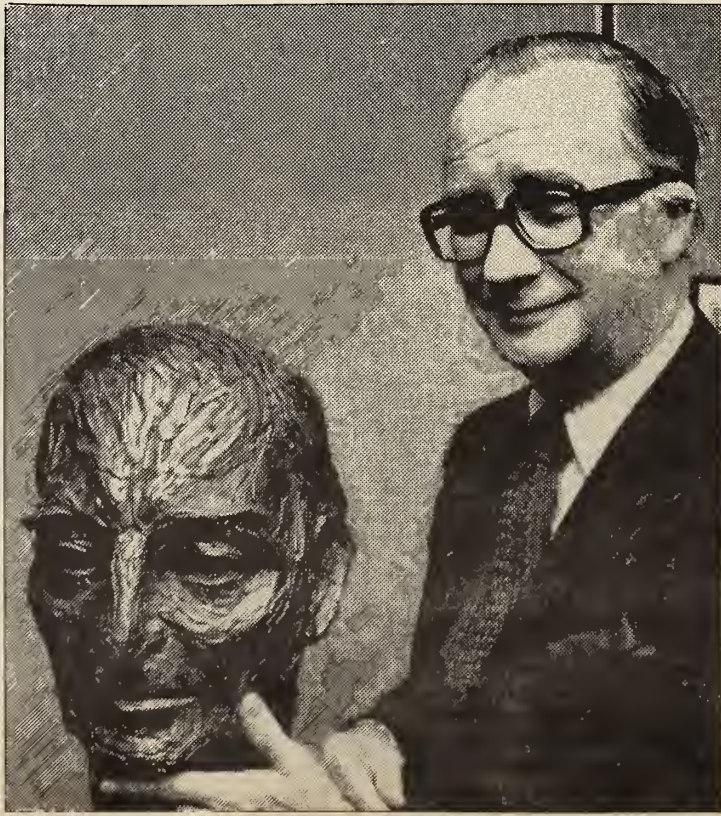
President John R. Evans proposed a toast to AMS and ex-

pressed his appreciation of the philanthropic foresight that had provided grants for preserving and disseminating a knowledge of medical history. Dr. Mazumdar, a graduate of the University of London, the Royal Free Hospital

School of Medicine, presented the inaugural address. A sculpted head of Dr. Hannah was presented to the University by Dr. J.B. Neilson, President of AMS, and accepted by Dr. Eva M.W. Macdonald, U of T's Chancellor.



Jason A. Hannah Professor, Dr. Pauline Mazumdar



Dr. G.R. Paterson with a sculpture of Dr. J.A. Hannah

Utilities



by Jake Koekke

Peak load pricing by utilities — charging power at times of high demand — is a phenomenon with which energy-conscious workers are more or less familiar. However, M.K. Berkowitz, a U of T physicist, says that where utilities naturally want to avoid adding expensive generating capacity, they could look for other than peak load pricing to achieve this. If, at the same stage, utilities had no interconnection, or had capacity, they could avoid themselves and the consumer. Berkowitz, an assistant professor of political economy at the Institute for Policy Studies, says in a research paper that interconnection of power to transmit electricity from demand areas to high-demand areas has been almost ignored. This is a valuable

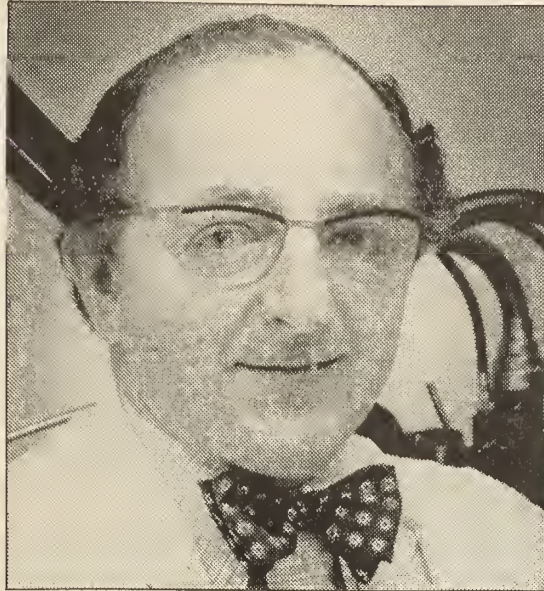
Smythe Pain Clinic team labours to alleviate intractable pain

by Robbie Salter

Hippocrates once recorded that "if there is inflammation and pain in the womb, take rose leaves, flaxseed and cassia . . . fumigate therewith, and it will relieve the pain." Since that time, pain has been viewed traditionally as an early warning signal and an ally of the body. Intractable pain, though, seems to serve no clear purpose, and during the last decade, in many cases, clinics have been established to further research the mechanisms and treatment of it.

The Toronto General Hospital's Irene Eleanor Smythe Pain Clinic was established in 1965 through the generosity of Conn Smythe. Prof. R.A. Gordon of the Department of Anaesthesia chairs the committee appointed by the University to establish and supervise it.

Directing the Smythe Clinic is Dr. Ramon Evans, a surgeon trained in the United Kingdom and Canada. "Since we began, over 2,500 patients have been referred to us," he says. Most have suffered intractable pain for more than one month — without remission — and no other means of treatment.



Dr. Ramon Evans

"One of the difficulties in assessing patients at the Clinic lies in objectively assessing the pain itself," says Dr. Evans, "though an accurate assessment of each patient's pain is vital in establishing custom therapy."

The approach to a patient with arthritis may be very different from what is prescribed for one who is terminally ill. And if the patient can continue to work, the pain is usually classified as mild.

The Clinic team always considers the patient's background. If he is from a country where pain is stoically tolerated, he will react differently from one whose countrymen dramatize it.

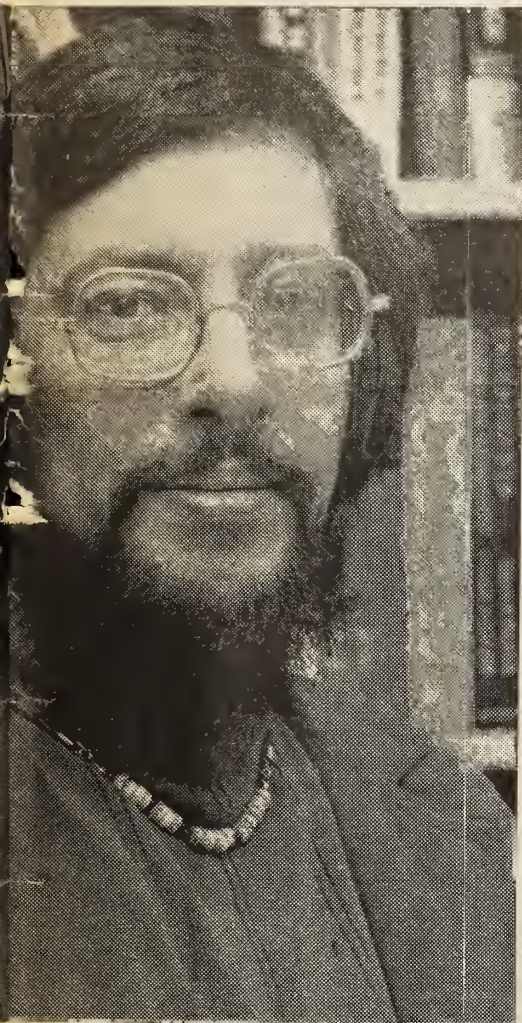
The child under 16 doesn't usually experience intractable pain, since he doesn't commonly appreciate the significance of pain in relation to disease. "We may conclude that pain may be a partly learned emotion," says Dr. Evans, "but to the patient, all pain is real and disabling to various degrees, whatever the underlying cause, so the members of the Pain Clinic team work together to understand and relieve it."

The Department of Psychiatry, led by Dr. Alistair Munro, works with the patient's emotional reaction to pain. Dr. L.J. Goldsmith, Chief of Psychology, assesses personality changes that accompany painful states and uses biofeedback techniques in treatment. Drs. R.A. Gordon and I.M. MacKay of the Department of Anaesthesia interrupt the pain pathways using nerve block procedures. And Dr. R.R. Tasker, a neurosurgeon, uses relatively new procedures, percutaneous chordotomy and thalamotomy, whereby the path of pain is interrupted with a needle — the effect has been likened to closing one lane of the 401 Highway. For their part, the radiotherapists at Princess Margaret Hospital provide radiotherapy for pain associated with cancer, and usually the patient can be rehabilitated to his home with the pain under control and his mind clear. Through such programs, says Dr. Evans, fewer patients are being admitted to chronic care hospitals.

The results of surveys and studies at the Clinic are now being stored in a computer and one day they may become part of a unique international data bank on pain. "Eventually we may be able to use the computer to find the latest methods of pain control in Russia or Japan and to share our findings with someone on the other side of the world," says Dr. Evans.

From the panaceas of Hippocrates, the paths of pain have taken a long and tortuous route. But gradually the enigma is yielding to persistent efforts of scientists around the world.

Utilities could work together and save



Prof. M.K. Berkowitz

Berkowitz says that whereas Ontario Hydro is at present buying and selling power, it does not co-ordinate its capacity expansion planning with that of other utilities, and ignores interconnection. "To consider, in the planning stages, the concept of sharing generating capacity is far different, and less expensive, than to randomly purchase excess capacity from another firm," he says.

Besides potential capacity cost reductions, Berkowitz cites five other potential areas of savings if power grid interconnection were utilized more effectively:

- Operating costs — more intensive operation at lower marginal cost to plants;
- Reserve costs — reserve capacity for contingencies could be reduced;
- Generating costs — greater advantage of scale economies in plant size could be obtained;
- Transmission reliability costs — sudden start-ups and break-downs could be reduced with a corresponding reduction in transmission capacity to handle these heavy surges;
- Social costs — pollution could be confined to areas where the loss of social benefits is minimized.

Berkowitz says that when the Ontario government vetoed a major funding request by Ontario Hydro last year the utility was urged at that time to look to "interconnectedness" as a means to reduce its planned capacity.

"The age of unbridled expansion may well be a thing of the past," he states. "In this respect, Ontario Hydro's lesson should be a forewarning to other electrical utilities."

Besides providing a solution to the capacity expansion problem, a more efficient use of, and reliance on, a system of interconnections will encourage development of alternative energy sources, Berkowitz says. In particular, he has in mind solar energy for heating purposes. He says extra power could be transmitted to areas temporarily deprived of sunshine, and no local reserve capacity would necessarily be required. He points out that, paradoxically, the utilities have used the need for extra local reserve capacity as an argument against large-scale use of solar energy.

"Technological advances in electricity transmission warrant greater attention being focused on the grid structure as a means of meeting future electricity demands," says Berkowitz.

reducing generating capacity needs, and is technologically feasible today. However, a narrow view on the part of utilities tends to direct their attention only to their own operations, he says.

"Once the power system as a whole displaces the individual firm or utility as the principal focus of concern, each firm's capacity requirements could be reduced without sacrificing the quality of service to the consumer," he says.

In particular, Berkowitz takes issue with Ontario Hydro's assertion that peak load pricing is a necessity. "The management of Ontario Hydro now says that peak load pricing is the only way to ensure that expected future electricity demands will be satisfied," he states. "While the theoretical consequences of peak load pricing have been well researched for the firm, the implications for the multi-firm power grid have been ignored."



Illustration of Ernst Theodor Amadeus Hoffman from "E.T.A. Hoffmann and Music", published by U of T Press.

Press designer does it again

A book designed by William Rueter and published by University of Toronto Press, *E.T.A. Hoffman and Music*, by R. Murray Schafer, has been awarded the bronze medal in the Leipzig International Exhibition "The Most Beautiful Books in the World 1976".

The presentation will take place during the International Leipzig Book Fair, on March 13. The book also placed third in the Canadian Book Design Award, Look of Books, 1976.

Will Rueter, who is a member of the U of T Press design unit, was recently elected to the Royal Canadian Academy of Art.

In memoriam: Beatrice Marion Corrigan

Beatrice Marion Corrigan, Professor Emeritus of Italian Studies, died on Jan. 4 in the Women's College Hospital. A memorial service was held on Jan. 12 in the Anglican Church of St. Stephen-in-the-Fields.

Professor Corrigan received her B.A., M.A. and Ph.D. from the University of Toronto. Hers was the first doctorate conferred by this University in Romance Languages, with an Italian major. After teaching experience elsewhere, Dr. Corrigan joined the University staff in 1946, to be involved for almost 30 years in the encouragement of the study of Italian language and literature at both the undergraduate and graduate levels. On retirement on June 30, 1971, Prof. Corrigan was appointed Co-ordinating Editor of the Works of Erasmus in Translation, University of Toronto Press, in which position her wide readings and interests continued to make themselves apparent.

Many honours accrued to Beatrice Corrigan over the years: among them, a Fellowship in the Royal Society of Canada (1964), a D.

Litt. from the University of Waterloo (1966), and an honorary



Professor Beatrice Corrigan

Doctorate of Letters from the University of Toronto (1972). Her lifetime of devotion to the acquisition and dissemination of knowledge resulted in many fruitful publications (such as monographs on *Canadian Cultural Periodicals* (1955), *Browning's Roman Murder Story* (1956), *Italian Plays, 1500-1700*, in the *Library of the University of Toronto* (1961) and *Italian Poets and English Critics* (1968)) as

well as outstanding success in the instruction of a host of students who remember her fondly.

Her many other contributions to knowledge date from the abstract of her doctoral thesis (1932) to a paper read for her this past Dec. 28 at the meeting of the Modern Language Association in New York and to a lecture on recent bibliographical materials of the Italian Renaissance prepared for delivery at the University of Missouri in Feb. 1977. Books and periodicals were always Beatrice Corrigan's burning interest, and she devoted much effort to the furthering of Library purchases, to the presentation of rare volumes to our University Library from her personal collection and to the insistence that her students make good use of our University's rich holdings in language and literature.

Dedicated to teaching and to the expansion of the frontiers of knowledge, Beatrice Corrigan will be long remembered at the University of Toronto and in national and international circles.

J.H.P.

Campus centre deferred once again

The troubled saga of the Campus as Campus Centre continues.

At its Jan. 18 meeting, the Internal Affairs Committee approved re-establishment of a Presidential Advisory Committee to advise on possible changes in the present plans.

The project was last discussed at the Planning and Resources Committee in May, 1976, but was deferred at that time because preliminary estimates showed the centre would not be self-financing. The project consisted of

closing Willcocks from Spadina to St. George and building an addition onto the south side of Sidney Smith to house a pub and games room, fast food outlets, a bank and a branch of the Bookroom.

Throughout the fall, SAC discussed asking students to pay the shortfall between revenues and expenditures but this suggestion has not been enthusiastically received. To further complicate matters, Physical Plant has questioned the wisdom of the suggested "greenhouse design" for

the Sydney Smith addition at a time when energy costs are rising.

Other business at Tuesday's meeting included a report on the Athletic Council elections by chief returning officer Jack Dimond. In an extremely low voter turnout, the students elected 12 representatives and the School of Physical and Health Education, four. But Dimond declared the election in the staff and alumni constituencies invalid because of numerous irregularities.

"There were more ballots than signatures on the voting list, and most of the ballots weren't initialled," he told the meeting. "There were only about 100 ballots cast, but I had to throw most of them out." Another election for these constituencies will be held.

Vice-President Iacobucci reported that the mysterious epidemic of food poisoning at the Victoria College residences last December was not food poisoning at all. It was a virus that also struck a nearby senior citizens' home.

S.R.F.

RESEARCH NEWS

Conference Travel Funds

The Humanities and Social Sciences Committee of the Research Board announces that funds for conference travel abroad (for

persons delivering invited papers) will again be available in late spring. Applications will be accepted beginning March 1. Application forms will be available in February at ORA, 978-2163.

JOB OPENINGS

Below is a partial list of job openings at the University. Interested applicants should read the Promotional Opportunity postings on their staff bulletin boards, or telephone the personnel office for further information. The number in brackets following the name of the department in the list indicates the personnel officer responsible. Please call:

(1) Sylvia Holland, 978-6470; (2) Wendy Chin, 978-5468; (3) Manfred Wewers, 978-4834; (4) Ann Sarsfield, 978-2112; (5) Beverley Chennell, 978-7308.

Clerk Typist II (\$7,000—8,230—9,460)

Purchasing (2), Landscape Architecture (5), Faculty Office, Engineering (5)

Clerk Steno II (\$7,000—8,230—9,460)

Forestry (5)

Clerk Typist III (\$7,700—9,060—10,420)

Chemistry (1)

Clerk III (\$7,700—9,060—10,420)

Dean's Undergraduate Office, Medicine (4)

Secretary I (\$7,700—9,060—10,420)

Ophthalmology (4), Botany (1), Faculty of Education Library (1)

Secretary I P/T (\$3,850—4,530—5,210)

Institute of Immunology (2)

Secretary II (\$8,470—9,970—11,460)

Botany (1), Vice-President, Business Affairs (1)

Secretary III (\$9,330—10,970—12,620)

Astronomy (1)

Laboratory Technician I (\$8,470—9,970—11,460)

Pharmacology (4)

Laboratory Technician II (\$10,370—12,200—14,040)

Banting & Best Department of Medical Research (4), Neurology (4)

Laboratory Technician III (\$11,450—13,470—15,490)

Erindale College (2), Radiological Research Labs (4)

Police Constable (\$11,710 probationary salary)

Physical Plant Security (3)

Accountant IV (\$13,450—15,820—18,200)

Library Automation Systems (3)

Landscape Foreman (\$11,450—13,470—15,490)

Physical Plant (3)

Professional Engineering Officer II (\$16,530 — 19,450 — 22,370)

Medicine (4)

Fees to be examined Feb. 3

Due to a heavy agenda, consideration of student fee policy was deferred by the Planning and Resources Committee last week. A special meeting to discuss both visa student and general fee increases is scheduled for Feb. 3, at 4.30 p.m.

Problem-solving is not the task of the university

These remarks on the usefulness of the university are from an address made by James Ham, Dean of the School of Graduate Studies, at the Graduate Convocation held Dec. 3, 1976.

In what way are the research and the advanced studies the university conducts useful?

As reflected in the priorities of government at all levels, the academic estate enjoys today far less importance than it did a decade ago, and if we have not done so ourselves, we academics have allowed to become unreasonably inflated public and personal expectations of the power of scientific knowledge to solve the problems that we conceive as confronting us. This University is and must remain committed to research and scholarship, to the preservation, extension, and communication of knowledge, to the development of the talent of able minds and hands, to the comprehension and criticism of our society. Its fundamental role is not to solve anybody's problems — but to contribute to the understanding of our human situation in all its facets.

But is this a useful endeavour? Most of you, graduands, families, and friends will in the euphoria of this event agree that it is. Some whose experience in the university has not met expectations and others who face the prospect of no employment in the role of choice will disagree with a sharpness of logic that has been strengthened here. It is not the function particularly of the School of Graduate Studies to educate persons to fit nicely into jobs in the socio-industrial structure of Canada or of any other land.

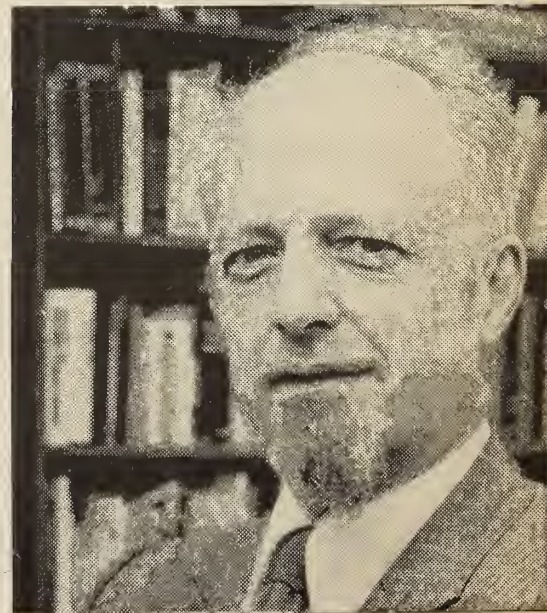
In our technological society we have a predisposition to see the issues before us as a set of problems to be solved by invoking specific instrumentalities — science and engineering to give us unlimited supplies

of energy for future human activity and to clean up the environmental consequences of past human activity — medical and social science to cure our individual and collective ills, to sustain personal good health under the stress of risks of lifestyle and occupation, to make the streets safe, and to keep the wolf from the door if not from the sands of the Caribbean.

The university is false to its calling if it does not declare that it is first concerned with the understanding through history of man and his imaginings, of life, of matter and materials and only consequentially with the instrumentalities, methodologies and techniques that are tools which arise out of this endeavour. The university is concerned to seek understanding of the human situation within the continuing spectrum of problems of disease, of energy, of crime, of industrial dispute, of unemployment, of faith, despair, and joy, which are the fabric of history and of our lives.

Undergraduate studies may be likened to learning something about a province of knowledge, studies for the master's degree to a more intensive examination of a township, and the Ph.D. to a thorough investigation of a topographic element, such as a hill, rendered curious by investigation. To recognize the curiousness of the hill and to comprehend it in itself and in context is essential to the task. Not to see its relatedness to a province of knowledge and to the associated dilemmas of humanity is to encounter the hill as esoteric and isolated. To the extent that one's sense of relatedness is not enlivened by the whole experience of graduate studies the University has failed in its true mission and I beg you to set about repairing the damage. None of us here lacks confidence that you have the talent to do so.

The role of the university in educating persons whose talents include those of solving soluble problems is widely accepted. In these testing times its



Dean James Ham

role in sustaining a civilized commitment to comprehend our human situation deserves to be re-emphasized. It is crucial in this regard to distinguish the comprehension of the human condition from the daily tasks of problem solving, to distinguish situations from solutions.

May you be wise in comprehending the situations in which you find yourselves and select carefully the problems that you choose to solve.



Members of U of T's Chinese Folk Dance Group here perform the "Sinkiang Dance" one of the numerous performances seen during China Week '77, organized by the Chinese Students' Association of seven Canadian universities.

In memoriam: Mary White formerly of Trinity College

The Universities of Toronto and Trinity College suffered a loss on Jan. 7, 1977 with the death, in only the third year of her retirement, of Mary Estelle White, Professor Emeritus of Classics.

Mary White was born in Grafton, Ontario and spent most of her childhood in the country around Port Hope and Cobourg. Her post-secondary education began at Queen's University and was continued at Oxford.

Mary began her long career in teaching in western Canada. 1941 was the year of her initial appointment at Trinity, to which she came from a combined position at Moulton College School for Girls and McMaster University. She was promoted to Associate Professor in 1946 and to the Chancellor Worrell Professorship in 1963.

In 1965 she was appointed to the headship of the Trinity College Classics Department, the first woman to hold a departmental headship in the College's history, and in the following year she was preferred to the headship of the Graduate Department of Classics, a position which she held until 1972. She retired in 1974 and was most deservedly named Professor Emeritus.

In her scholarly career Mary White was that very rare combination of gifted teacher who could inspire and stimulate and of creative researcher whose published papers won for her praise from the most censorious of Oxford's critics.

She was the founding editor of *Phoenix*, the journal of the Classical Association of Canada, and in the period of her editorship, 1947-1959, raised it to the high level of scholarship which has won respect throughout the world. She served as a professional reader for a number of publishing houses, on editorial

boards, and on management committees.

In all she did and wherever she went Mary White brought lustre to the College she not only served but also loved.

Rare honours naturally came her way: a Fellowship in the Royal Society of Canada, two honorary doctorates, one in Civil Law from Bishop's University, the other in Letters from Acadia; honorary membership in the Hellenic Society; a volume of Greek history essays dedicated to her on her retirement by admiring colleagues.

Her presence as a visiting lecturer was highly sought and in this capacity she enjoyed the hospitality of such prestigious Classical centres as the Institute for Advanced Studies at Princeton, the American School of Classical Studies at Athens, and Oxford University.

Mary's physical slightness belied the strength and energy which she evinced throughout her life. Although never enjoying the best of health she was unsparing of herself both in her professional and private life. She did admit that in 1972 she had more difficulty in keeping up with the students on American School field trips in Greece than in 1949, but those of us who know what those trips can be find it remarkable that she would even have tried.

Her loyalty and devotion to Trinity College can have few parallels in the 125 years of its history. If Bishop John Strachan could return to our midst, unquestionably he would find many things about the College to disturb him, but once he had resigned himself to the fact that Mary was a woman, he would join with us in gratefulness for her service and in sadness that we may never see her like again.

J.W.C.

Marsh Jeanneret retires from Press

Marsh Jeanneret, Director of the University of Toronto Press, has requested, following two periods of ill health, to be relieved of his duties as chief executive officer of the Press. He left his post on Jan. 24, but will remain active as Publishing Consultant, dealing mainly with the Press's external relations with federal government departments and with international publishing organizations.

Marsh Jeanneret has served as Director of the Press for 24 years. A graduate of the University in Honour Law in 1938, he became head of the Press in 1953 following a successful career in commercial publishing. Under his direction, the Press has advanced from a small bookselling, printing, and publishing organization with annual sales of about eight hundred thousand dollars to one employing almost 350 persons, with annual sales exceeding eleven million dollars. Its publishing department now has sales representatives in all parts of the world, and operates its own branch in the United States.

Mr. Jeanneret has also been active in national and international book publishing. He has been President of the Canadian Book Publishers' Council (1968-69), of the Association of American University Presses (1975 to present), and of the International Association of Scholarly Publishers (1976 to present). In 1963, he undertook a mission to universities and university presses in the francophone countries of Africa as representative of the American association; in 1964, he visited Russia; in 1965, he spent several months in Australia on a study which resulted in the establishment of the Australian National University Press. In 1966 an honorary LL.D. was conferred on him by McGill University for his services to scholarly publishing. In July 1969, he was again invited to Russia where he delivered a paper before the Scientific Research Institute for Polygraphia in Moscow. In 1972 and 1976 he was invited to Japan to participate in

meetings connected with international scholarly publishing.

Jeanneret was a member of the Minister of Education's Commit-



Marsh Jeanneret

tee on Religious Education in the Public Schools in 1967-68, and of the three-man Royal Commission

which inquired into the book publishing industry in Ontario and throughout Canada in 1970-72.

During his régime the Press has published many notable works including the official biography of William Lyon Mackenzie King, the autobiography of Lester B. Pearson, the photographic volumes of Yousuf Karsh, Marshall McLuhan's *The Gutenberg Galaxy*, and the beginning volumes of the *Dictionary of Canadian Biography*, the *Collected Works of John Stuart Mill*, and the *Collected Works of Erasmus*.

He is the author or co-author of a number of history textbooks, and has published numerous articles dealing with copyright and with scholarly publishing and book manufacturing.

President John R. Evans has announced that Harald Bohne, Associate Director of the Press, will be asked to serve as Acting Director until a successor is appointed.

Interim director named

Harald Bohne has been named Acting Director of the U of T Press with the announcement of the resignation of the Director, Marsh Jeanneret.

Bohne joined the Press in 1954, just one month after his arrival in Canada from Germany, and became Manager of the University Bookstore in 1958. He became active in the Canadian Booksellers Association as soon as he became eligible for membership and has served on committees, as Chairman of the College Store Division, as Vice-President, and as President from 1962 to 1964. During his term of President, Mr. Bohne began the groundwork on what was to become the first edition of *Canadian Books in Print/Catalogue des livres canadiens en librairie* ever to be published in Canada.

After appointments as Business Manager (1966), and Assistant Director (1970) Bohne was named

Associate Director of the Press in 1975.

Together with the Press's Financial Administrator, Harry Van Ierssel, Bohne was commissioned by the Ontario Arts Council in 1972 to write a manual to assist new publishers; the manual, entitled *Publishing: The Creative Business*, was published in 1973.

He is Canadian representative on the International Standard Book Numbering Committee and has served for many years on the Scholarly Journals Committee of the Association of American University Presses. He is also a Vice-President of the Association for the Export of Canadian Books, and Chairman of the Board of Trustees of Books Canada Limited, its subsidiary in the United Kingdom. In 1974 he served as First Vice-President of the Canadian Book Publishers' Council and is now Vice-President of the Association of Canadian Publishers.

BOOKS

Teachers find their vocation resists analysis

Teaching in the universities: no one way
Edward F. Sheffield
McGill — Queen's University Press

In a letter to 24 Canadian university professors identified by former students as "excellent teachers", Edward F. Sheffield, retiring Chairman of U of T's Higher Education Group, invited his colleagues to participate in a project, "undertaken in the hope that it might contribute to the improvement of teaching in the universities", by writing a brief essay about their beliefs and practices as instructors. "What is wanted", he wrote, "is a personal expression of what you believe about teaching undergraduates, and how you go about it." The 23 contributions received have now been published, with an "Analysis and Discussion" and an annotated bibliography, as *Teaching in the universities: no one way*.

Just as the subtitle to the collection, *no one way*, directs attention to the editor's principal conclusion that "it is probable that almost any professor can be an effective teacher, in his own way, if he really wants to", so the titles chosen by the respondents serve to suggest the range of perspectives presented here. Thus in *Teaching is Giving Yourself*, an art historian notes that teaching "can only be described as a love affair between the teacher and the students," a description echoed in

a pathologist's *Education Is a Love Affair*. A psychologist presents his views on commitment in *From the Known to the Unknown*; a pharmacist's essay speaks of moving *From Situation to Solution*.

The range of attitudes and teaching methods of the essayists is broad — *To Interest and Inspire*, *Gambits and Gimmicks*, *The Profit and Pleasure of The Protestant Ethic*, — though the contributors to Sheffield's volume seem agreed in finding their professional responsibilities very resistant to analysis. One writer confesses that "to expose and explain certain intangible aspects of my professional vocation is difficult and can be painful". Another attempts to describe the teacher by presenting allusive "fragments" of his "incomplete and evasive portrait" — Don Quixote, Hamlet, Faust, Don Juan. To the question "Just what should a university professor do to perform his teaching duties more effectively?", a chemist answers very directly: "I honestly do not have the slightest idea. . .", and goes on to suggest that answers to such questions "cannot be usefully generalized".

Yet some generalizations may be attempted. "One of the points on which the essay-writers are generally agreed," notes Sheffield, "is that the teacher's most important role is to stimulate students to become active learners on their own. . . . They think students are important, they like them and

respect them, and they care." According to a professor of English, "a teacher's standard of excellence should include a commitment both to learning and to learners".

In each case, this interest in student learning is complemented by enthusiasm for the subject. "One of the many things that makes teaching a pleasure for me is the fortunate fact that I teach geography which in itself is intrinsically interesting." "How fortunate I am that I teach biology, for I definitely feel that biology is the ultimate science." Such comments are characteristic, and illustrate another value of this collection: the insights of each contributor are enhanced by a notable absence of educational jargon.

Sheffield's general conclusions suggest that local attempts to improve teaching in the University, currently under consideration in the new Advisory Committee on Educational Development, must recognize that "attitudes towards students and teaching are more important than methods and techniques", and above all that "there is no one way to be an effective teacher." To the extent that their colleagues' contributions to *Teaching in the universities: no one way* encourage scholars here to reflect on their attitudes to students and teaching, the author's hopes for his book may be realized.

John Kirkness
Scarborough College

SESQUI U EVENTS

FRIDAY JANUARY 28

Macbeth, directed by Martin Hunter, designed by Martha Mann. Hart House Theatre, Jan. 28 and 29 at 8.30 p.m. Tickets \$3, students \$1.50. Box office 978-8668.

The Four Ruffians by Wolf-Ferrari, English translation by Edward Dent; guest director, Leonard Treash; conductor, Victor Feldbrill; guest designer, Maxine Graham. MacMillan Theatre, Edward Johnson Building. Jan. 28 and 29 at 8 p.m. Tickets \$4, students and senior citizens \$2. Box office 978-3744.

The Importance of Being Earnest, Edith Evans and Michael Redgrave. North Auditorium, OISE, 252 Bloor St. W. 8 p.m. Tickets \$1, telephone 978-5076. (Woodsworth College Students' Association film festival '76)

SUNDAY 30

Teaching giant furnaces to be good electrical neighbours (Fourth lecture in special Sesquicentennial series at Science Centre) Prof. Sidney Segsworth, Departments of Electrical Engineering and Metallurgy and Materials Science. Main auditorium, Ontario Science Centre. 3 p.m.

Janet Baker, mezzo-soprano. MacMillan Theatre, Edward Johnson Building. Tickets orchestra \$7, balcony \$4. Box office 978-3744. (Music and CBC)

MONDAY 31

Aromatic Substitution by the SRN1 Mechanism (Colloquium) Prof. J.F. Bunnett, University of California, Santa Cruz. 428 Lash Miller Chemical Laboratories. 4 p.m.

Towards a Proper Treatment of Anaphora (Computer seminar) Bonnie Nash-Webber, Bolt Beranek & Newman, Cambridge, Mass. 103 McLennan Physical Laboratories. 4 p.m.

TUESDAY FEBRUARY 1

What is a Work of Art (Third of four Victoria College Public Lectures) Prof. Francis Sparshott, Department of Philosophy. Room 3 New Academic Building. 4.30 p.m.

Problems in the Complete Approach to Children with Seizures (Neuroscience seminar) Dr. John M. Freeman, Johns Hopkins Hospital. Large lecture theatre, Hospital for Sick Children. 5 p.m.

Orford String Quartet (Special preview recital, Trinity anniversary) Selections from Beethoven quartets. Seeley Hall. 1 p.m. Admission \$2, students \$1.

Alfons and Aloys Kontarsky, duo pianists. Walter Hall, Edward Johnson Building. 8.30 p.m. Tickets \$5, students and senior citizens \$1. Box office 978-3744. (Music and Goe-the Institute)

Man — The Measure of All Things (Fourth film in series *Civilization*, Kenneth Clarke) Two screenings, H-310 at 12 noon, S-128 at 4 p.m. Scarborough College.

Waves of Revolution, Anand Patwardhan and Indira Gandhi: The State of India, Paul and Deepa Saltzman (Films) Film-makers will be present for discussions following screenings. Cumberland Hall, International Student Centre. 7.30 p.m. (Indian Student Association)

Some Victorian Visions (Lecture in *Focus on Bloomsbury* Sesquicentennial program) Prof. S.P. Rosenbaum, Department of English. S-309 Scarborough College. 4 p.m.

The "Legitimation" Problem in Habermas and the Issue of Local Rationality (Sociology colloquium) Prof. John O'Neill, York

University. Lounge, Borden Building. 2.45 p.m.

The Nature of Canadian Interests in Southern Africa (Seminar) Linda Freeman, graduate student in political science. Upper Library, Massey College. 1 p.m. (African Studies Committee CIS)

Probabilistic and Information-Theoretic Methods in Computer Science (Computer seminar) Dr. Nicholas Pippenger, IBM Research Center, Yorktown Heights. 103 McLennan Physical Laboratories. 4 p.m.

Cellulose Microfibrils: Nacent stages of synthesis in several unicellular algae, the cotton fiber, the corn root, and the gram-negative bacterium, Acetobacter (Departmental seminar) Dr. R. Malcolm Brown, Jr., University of North Carolina. Room 7 Botany Building. 4 p.m.

John Robert Colombo (Poetry reading) 1016 New College, enter at 30 Willcocks St. 8 p.m.

Scott Cushnie Trio (Wednesday afternoon pop concerts) East common room, Hart House. 12 noon.

Orford String Quartet (Sesquicentennial celebration) Meeting Place, Scarborough College. 12 noon and 1 p.m.

THURSDAY 3

The Spatial Organization of Contemporary Society: Is a Humane Organization of Space Possible? (Lecture) Prof. Milton Santos, Columbia University. 622 Sidney Smith Hall. 4 p.m. (Geography)

District Health Councils and Their Implications for Health Policy (Lecture) Milton Orris, area planning co-ordinator, Ontario Ministry of Health. 4279 Medical Sciences Building. 4 p.m. (Health Administration)

University Presidents and the Politicians (Last of three special Sesquicentennial Lectures) Ian Macdonald, president, York University. West Hall, University College. 4.30 p.m.

Erasmus and Alciati: The Adage and the Emblem (Erasmus lecture, last of four Victoria College Public Lectures) Prof. Virginia Callaghan, Howard University. Room 3 New Academic Building. 4.30 p.m.

Beethoven Quartets (Second lecture in series on quartets being performed by Orford String Quartet) Norman Rubin, Faculty of Music. Walter Hall, Edward Johnson Building. 8 p.m. Free to concert subscribers, others \$1 at door.

Sound Production in Fish (First of eight lectures in series *Communication in Animals*) Dr. Alan Emery, associate curator, Department of Ichthyology and Herpetology, ROM. Rom Theatre. 8 p.m.

The Operational Analysis Approach to Computer System Performance Evaluation (Computer seminar) Dr. Jeffery Buzen, BGS Systems Inc. and Harvard University. 103 McLennan Physical Laboratories. 4 p.m.

The Present Collection (Second in seminar series on *HH Permanent Collection — Past, Present and Future*) Aba Bayefsky, Ontario College of Art. Bickersteth Room, Hart House. 7 p.m. (Art Committee)

Don Coles (St. Michael's Poetry Series) BCD Brennan Hall. 4.10 p.m. (Student Union SMC, University of St. Michael's College, English Department SMC and Canada Council)

Orford String Quartet. Ivey Library, New College, Willcocks St. 12 noon.

Faculty of Music Jazz Ensemble under direction of Phil Nimmins and Ronald Chandler. Walter Hall, Edward Johnson Building. 2.10 p.m.

The Child in the City: Today and Tomorrow. Selection of films on children in the city, with panel and open discussion. Auditorium, Medical Sciences Building. 7.30 p.m.

FRIDAY 4

Legal Approaches to Genetic Developments (Fifth in series of eight lectures in Lunch and Learn Club series *Genetics and Man*) Dr. B.M. Dickens, Faculty of Law. Innis College. 12.15 p.m. Admission \$2. (Continuing Studies)

Forestry and the Environment in Alberta (Lecture) Douglas Patching, research officer, Alberta Environment Conservation Authority. Fourth floor lounge, 203 College St. 12.30 p.m.

French Socialists in the 1970s (Lecture) Prof. Harvey Simmons, York University. Political Science common room, 3037 Sidney Smith Hall. 8 p.m.

Physics and Chemistry of Solid Surfaces Studied by Molecular Beams: A Biased View (Colloquium) Prof. G. Scoles, University of Waterloo. 158 Lash Miller Chemical Laboratories. 4 p.m.

Latin American Urban History (Seminar) Feb. 4 from 2.30 to 5.30 p.m.; Feb. 5 from 10 a.m. to 12.30 p.m. Music Room, Hart House. **Guest speakers:** Prof. Richard Morse, Yale University; Prof. James R. Scobie, Indiana University; Prof. Milton Santos, Columbia University. Further information telephone Centre for International Studies, 978-3350. (Latin American Studies Committee, CIS)

Hans Jewinski reading his poetry. R-3103 Scarborough College. 4 p.m.

Inventions arrabalesques présenté par le Théâtre Mickities. Upper Brennan Hall. Feb. 4, 6, 7, 9 and 10 at 8.30 p.m. Tickets \$1 at door. Reservations 923-8893. (Semaine Française)

Viva la Muerte d'Arrabal (Le Ciné-Cent-Six) 179 University College. Two screenings, 12 noon and 8 p.m. (Semaine Française)

SATURDAY 5

Les Précieuses ridicules, Molière, et **Pique-nique en campagne**, Arrabal. Joué par la troupe SMC. Room 3 New Academic Building, Victoria College. Feb. 5, 7 and 8 at 8.30 p.m. Reservations 978-3167 or 921-3151 ext. 306 (Semaine Française)

The Taming of the Shrew, Richard Burton and Elizabeth Taylor. North auditorium, OISE, 252 Bloor St. W. 8 p.m. Tickets \$1, telephone 978-5076. (Woodsworth College Students' Association film festival '76)

SUNDAY 6

The King's Witchcraft: Macbeth and Theatre History (Fifth lecture in special Sesquicentennial series at Science Centre) Graduate Centre for the Study of Drama. Main auditorium, Ontario Science Centre. 3 p.m.

Orford String Quartet (Second of six concerts in Beethoven series) Walter Hall, Edward Johnson Building. 3 p.m. Series tickets \$30, students and senior citizens \$20. Single tickets \$6, students and senior citizens \$4. Box office 978-3744.

Open House. Faculty of Dentistry. 1 p.m. to 4 p.m. (See story page 3)

MONDAY 7

Recent Archaeological Work in Jordan (1973-76) (Illustrated lecture) Dr. James A. Sauer, American Schools of Oriental Research, Amman, Jordan. 323 Textbook Store, 280 Huron. 4 p.m. (Near Eastern Studies)

Héroïsme et parodie dans le théâtre québécois (Lecture) Prof. Jean-Cléo Godin, Université de Montréal. Croft Chapter House. 8 p.m. (Semaine Française)

Atherosclerosis and Genetic Disorders of Cholesterol Metabolism (Guest seminar) Dr. Michael S. Brown, Southwestern Medical School, University of Texas, Dallas. North classroom, Toronto General Hospital. 12 noon (BDDMR)

The Low Density Lipoprotein Pathway for the Control of Cholesterol Metabolism (Guest seminar) Dr. Michael S. Brown, Southwestern Medical School. 417 Best Institute. 4 p.m. (BDDMR)

University of Western Ontario Faculty Singers and Wind Ensemble. Exchange program. Walter Hall, Edward Johnson Building. 8.30 p.m.

Duncan Grant at Charleston (Film by Quentin Bell, *Focus on Bloomsbury* Sesquicentennial program) H-216 Scarborough College. 3 p.m.

TUESDAY 8

Arrabal y su teatro en exilio (Lecture) Prof. Angel Berenguer, State University of New York, Albany. Room 3 New Academic Building. 4 p.m. (Semaine Française)

The Arts and Bloomsbury (Lecture on Lord Keynes and the Bloomsbury Group in *Focus on Bloomsbury* Sesquicentennial program) Prof. D.E. Moggridge, Department of Political Economy. R-3103 Scarborough College. 4 p.m.

The Clinical Application of Experimental Studies of Intracranial Pressure and Cerebral Blood Flow: Two Steps Forward and One Step Back? (Lecture) Dr. J. Douglas Miller, Virginia Commonwealth University; 1977 William S. Keith Visiting Professor of Neurosurgery. Osler Hall, Academy of Medicine. 5 p.m.

The Idea of a University Revisited (First of four lectures in St. Michael's Sesquicentennial series *On the Idea of University*) J.M. Cameron, University of St. Michael's College Professor. Upper Brennan Hall. 8 p.m.

La Chanson populaire du Canada français (Causerie avec enregistrements) Catherine Duval. Upper Brennan Hall. 12 noon. (Semaine Française)

The Hero as Artist (Fifth film in series *Civilization*, Kenneth Clarke) Two screenings, H-310 at 12 noon and S-128 at 4 p.m. Scarborough College.

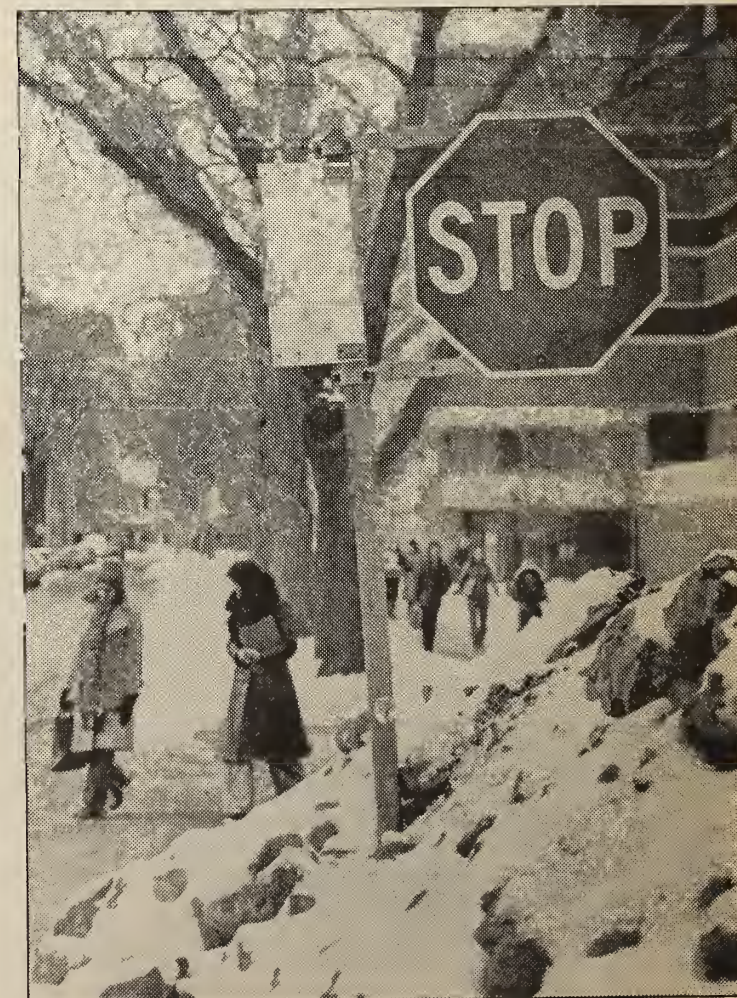
WEDNESDAY 9

Le Théâtre d'Arrabal et les objets (Lecture) Prof. Albert Chesneau, Department of French. 1017 New College. 12 noon (Semaine Française)

The Problem of Medical Malpractice: Trying to Round Out the Circle (Ninth annual Cecil A. Wright Memorial Lecture) Prof. Guido Calabresi, Yale University Law School. Moot Court, Faculty of Law. 4 p.m.

Some Problems in the Marxist Analysis of Pre-Class Societies (Sociology colloquium) Prof. Richard B. Lee, Department of Anthropology. Lounge, Borden Building. 2.45 p.m.

Arctic fungi (Research seminar) Dr. O.K. Miller, Virginia Polytechnic Institute. Room 7-Botany Building. 4 p.m.



"Enough!" this STOP sign seems to be saying to the ever-increasing pile of rubble accumulating at the corner of Huron and Willcocks Streets. However, William Lye, Physical Plant director, assures us that the inconveniences and eyesore caused by the excavation is all for a good cause: the installation of a high-temperature hot water distribution line to replace an old one whose insulation had deteriorated to such an extent that it has been costing U of T \$50,000 per year in energy lost.